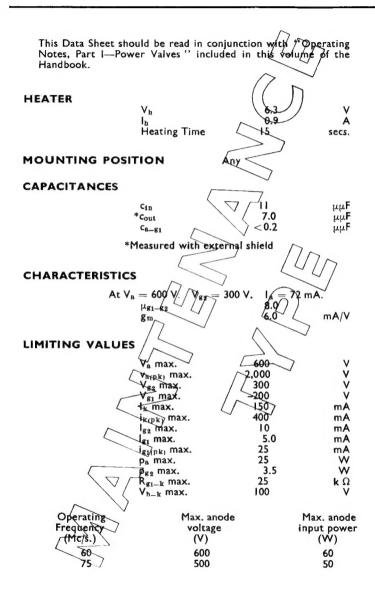
QV05-25



Indirectly heated beam tetrode, rated for a maximum anode dissipation of 25 watts and suitable for use as an A.F. Amplifier or modulator, or as an R.F. Power Amplifier or oscillator.

OPERATING CONDITIONS

For Push-pull pair as Class "AB₂" A.F. power amplifier and modulator

V _a	400	500	600	٧
V _{g2}	300	300	300	V
$V_{g_1}^{g_2}$	-25	-25	-30	V
l ₈₍₀₎	2×50	2×50	2×30	mA
g2(0)	2×2.5	2×2.5	2×2.5	mΑ
Vin(pk)	2×39	2×39	2×39	V
la (max. sig.)	2×120	2×120	2×100	mΑ
lg2 (max. sig.)	2×5.0	2×5.0	2×5.0	mΑ
R _{a_a}	3.2	4.24	6.4	$k \Omega$
*P _{drive} (max. sig.) ap	prox. 0.2	0.2	0.1	W
Pout approx.	55	75	80	W

* The effective resistance of the grid circuit should be below 500 ohms, and the effective impedance should not exceed 700 ohms at the highest response frequency required.

OPERATING CONDITIONS

For single valve as R.F. amplifier Class B telephony

Va	400	500	600	٧
V _{g2}	250	250	250	V
$V_{g_1}^{s_2}$	-25	-25	-25	V
la "	75	75	62.5	mA
lg ₂	4.0	4.0	3.0	mA
Vin(pk)	30	30	20	V
P _{drive} approx.	0.25	0.25	0.2	W
Pout approx.	9.0	12.5	12.5	W

OPERATING CONDITIONS

For single valve as R.F. amplifier Class C telephony anode modulated

V _s	325	400	475	٧
*V _{g2}	225	225	225	V
Ran	20	30	50	kΩ
**V _{g1}	-75	-80	-85	V
$R_{g_1-k}^{r_1}$	25	22.8	21.3	kΩ
la .	80	80	83	mA
lga approx.	5.0	5.75	5.0	mΑ
l _{g1}	3.0	3.5	4.0	mA
Vin(pk)	90	95	110	V
Pdrive approx.	0.25	0.3	0.4	W
Pout approx.	17.5	22.5	27.5	W

- * Preferably obtained from modulated anode supply through resistor ($R_{\rm g_2}$) of value shown.
- ** May be obtained either from separate supply, or by a grid resistor of value shown, or by a combination of these methods.



QV05-25

Indirectly heated beam tetrode, rated for a maximum anode dissipation of 25 watts, and suitable for use as an A.F. Amplifier or modulator, or as an R.F. Power Amplifier or oscillator.

OPERATING CONDITIONS

For single valve as R.F. amplifier and oscillator Class C telegraphy

V _a	400	500	600	V
*Vg2	250	250	250	V
Rea	20	42	50	kΩ
**V _{g1}	-45	–45	-4 5	V
R_{g_1-k}	12.8	12.8	12.8	kΩ
R _k	410	410	410	Ω
1 8	100	100	100	mA
1 _{g 2}	7.5	6.0	7.0	mA
l_{g_1} approx.	3.5	3.5	3.5	mΑ
Vin(pk)	65	65	65	V
Pdrive approx.	0.2	0.2	0.2	W
Pout approx.	25	30	40	W

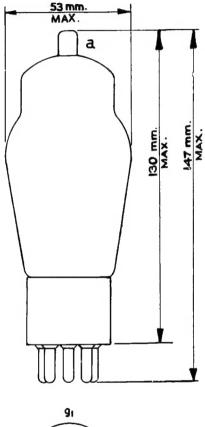
- * May be obtained from a separate supply, or from a potentiometer, or from the anode supply through resistor (R_{g_2}) of value shown.
- ** May be obtained from a separate supply, or from a grid or cathode resistor of value shown, or by a combination of these methods.

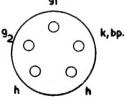
WEIGHT Valve only; $2\frac{1}{2}$ oz. (0.08 kg.)

QV05-25

R.F. POWER TETRODE

Indirectly heated beam tetrode, rated for a maximum anode dissipation of 25 watts, and suitable for use as an A.F. Amplifier or modulator, or as an R.F. Power Amplifier or oscillator.

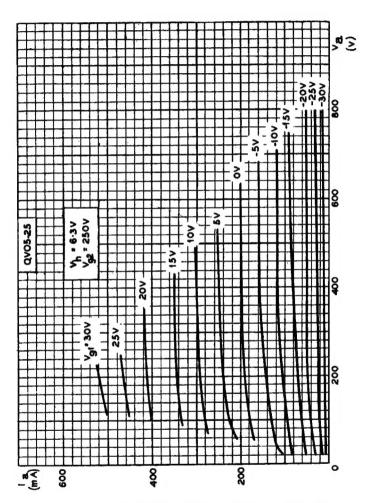




AMERICAN MEDIUM 5-PIN BASE

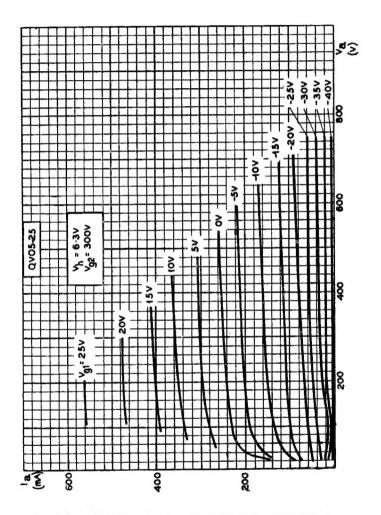


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ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE FOR SCREEN VOLTAGE = 250V

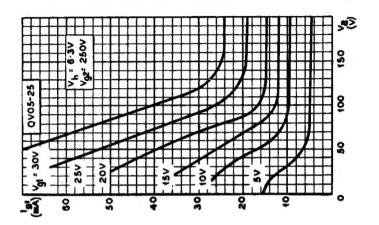




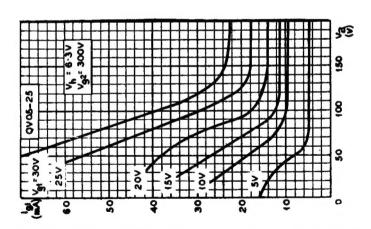
ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE FOR SCREEN VOLTAGE = 300V



QV05-25



CONTROL GRID CURRENT PLOTTED AGAINST ANODE VOLTAGE FOR SCREEN VOLTAGE = 250V



CONTROL GRID CURRENT PLOTTED AGAINST ANODE VOLTAGE FOR SCREEN VOLTAGE = 300V



QV05-25

R.F. POWER TETRODE

